

ABSTRACT

An optical system for analyzing light from a plurality of samples is provided. The optical system includes a plurality of holders adapted to have samples located therein, a collection lens, a transmission grating, and a reimaging lens. The
5 collection lens is configured to receive and substantially collimate light from the samples. The transmission grating is configured to spectrally disperse the substantially collimated light from the collection lens. The reimaging lens is configured to receive the light from the light dispersing element and direct the light onto a light detection device. A method of optically analyzing at least one sample
10 is also provided.